

Specifications

Design, Thermal Transfer Print & Cut Solution

The purpose and intent of these specifications is to describe a design, thermal transfer print and cut solution for primary use in sign and label making. All equipment must be of durable design and construction to withstand frequent use and deliver dependable service, with optimum performance and production capabilities. The solution must be of the latest design, manufacture, and in current production. All standard features advertised shall be included whether asked for or not within these specifications. The solution offered shall be equal to or better than a Gerber EDGE FX with GSX Sprocket Plotter and Omega design software.

- 1. Completeness:** The price quoted in any submitted proposal shall include all items of labor, materials, tools, equipment, and other costs necessary to fully complete the manufacture and delivery of the solution pursuant to these specifications. Any part or detail which makes the solution complete and ready for service shall not be omitted, even though such part or detail is not mentioned in these specifications.
- 2. Conformity:** All parts not specified shall be manufacturer's best quality and shall conform in materials, design, or workmanship to the best practice known in the thermal printer industry. All parts shall be new and in no case shall used, reconditioned or obsolete parts be accepted.
- 3. Features:**
 - 3.1. The proposed solution shall be a complete design, thermal printing and cutting solution.
 - 3.2. The printer shall employ thermal transfer printing technology; tuned and optimized.
 - 3.3. The cutter shall either be (1) integrated with the printer or (2) operate as stand-alone equipment. If operated as standalone equipment the cutter shall be included in the bid price.
 - 3.4. The design software shall be equal to or better than Omega 6.0 design software.
 - 3.5. The solution shall operate as a stand-alone system and be network capable if necessary to be accessed from multiple computers on our network.
 - 3.6. The dimensions and footprint of the solution shall be such that it can be operated in a room measuring approximately 11' x 10' or 110sf. and require no special venting or modification.
 - 3.7. Thermal transfer printing resolution shall have capabilities of 300, 600, or 1200 dpi (dots per inch) on material axis.
 - 3.8. Both the cutter and printer shall accept media of a width no less than 15 inches.
 - 3.9. The finished width of print output shall be no less than 11.8 inches.

- 3.10. The printer shall have a base speed of no less than sixty (60) inches per minute per color at 300 dpi (dots per inch).
- 3.11. The cutter shall have a speed of no less than three (3) inches per second.
- 3.12. The printer shall use the Ethernet communication port TCP/IP.
- 3.13. The proposed solution shall be capable of operating in environments up to 80-degrees.
- 3.14. All print output shall be durable to a three to five-year life span exposed to outdoor conditions including ultraviolet exposure without lamination.
- 3.15. Accessories shall include but not be limited to:
 - 3.15.1. Power cable of least 10 feet
 - 3.15.2. CAT 5 cross- over Ethernet cable
 - 3.15.3. Thermal print head cleaning kit
 - 3.15.4. Replacement foil squeegee
 - 3.15.5. Replacement material squeegees
 - 3.15.6. Foil caddy
 - 3.15.7. Starter media kit
 - 3.15.7.1. 5 color foils, and
 - 3.15.7.2. 5 foil caddies, and
 - 3.15.7.3. 3 rolls of material

4. Warranty Requirement:

- 4.1. Manufacturer's standard warranty shall apply.
- 4.2. Terms and conditions of warranty must be provided with bid proposal (Warranty must be clearly defined and all components covered must be clearly listed and identified).
- 4.3. Vendor shall be 100% responsible for all repair costs to include parts & labor during the warranty period.

5. Manuals & Software Requirement:

- 5.1. There shall be two (2) operator's manuals per unit.
- 5.2. There shall be two (2) shop repair manuals or CDs per unit.
- 5.3. There shall be two (2) parts manuals or CDs per unit.

6. Training Requirement:

- 6.1. Training for personnel to be provided by the manufacturer or authorized representative, to include a minimum of four (4) hours of training onsite at the Kona International Airport at Keahole.
- 6.2. The training may be videotaped by airport staff for the purpose of training more employees and trainers.

7. General Requirements:

- 7.1. Equipment must be fully inspected, serviced, fully assembled, and ready to work upon delivery.
- 7.2. Note that these are minimum specifications and that bids shall be evaluated based on price, warranty, manufacturer's performance data, delivery schedule, parts availability and other items deemed appropriate.
- 7.3. Bidders shall supply a detailed specification sheet with their bid proposals listing exactly what is being offered (not a reference to a web site) and to certify that they have service facilities in Hawaii, staffed with trained service technicians and stocked with repair parts for the equipment which is bid. Failure to provide this information may be cause for the bid to be rejected. The Kona International Airport at Keahole reserves the right to reject any and all bids.
- 7.4. Exceptions to specifications shall be listed on a separate paper and noted as exceptions and submitted with bid proposal. If exceptions are not listed as such it shall be considered that the vendor shall comply with all specifications as listed.
- 7.5. Upon delivery of unit or units all necessary paper work such as (Invoices, Warranty Information, etc.) shall accompany unit or units.
- 7.6. All bid proposals shall include shipping and delivery to: Kona International Airport at Keahole, 73-200 Kupipi Street, Kailua-Kona, Hawaii 96740

8. Bid Submission Requirement:

- 8.1. In addition to required information as exhibited in the specifications, the Bidder shall also provide:
 - 8.1.1. Warranty and extended warranty data for the thermal printer, cutter and all sub-components.
 - 8.1.2. Specifications required on the proposed thermal printer.
 - 8.1.3. Failure to supply the required documentation may render the bid non-responsive.

Prior to any products being accepted by, and any partial payment being made by Kona International Airport at Keahole, all components shall be inspected for compliance to these technical specifications. The inspections shall be performed by airport staff or our designated representative.